

HIGH STRENGTH AND HIGH DENSITY INTRALUMINAL WIRE STENT1 ABSTRACT OF THE DISCLOSURE:

An intraluminally implantable stent is formed of helically wound wire. The stent has a generally elongate tubular configuration and is radially expandable after implantation in a body vessel. The wire includes successively formed waves along the length of the wire. When helically wound into a tube, the waves are longitudinally nested along the longitudinal extent of the stent so as to form a densely compacted wire configuration. After radial expansion the stent maintains high radial compressive strength and wire density to retard tissue ingrowth.

0997823-101501

15

20

25

30

35